Angular Unit Test

ng-test –include src\app

Utilities:

TestBed

Async

TestBed is the main Angular utility package

Describe contains different blocks(it, beforeEach, xit, ….)

beforeEach runs before any other block

Other blocks do not depend on each other to run

TestBed- import {TestBed} from ‘@angular/core/testing’

RouterTestingModule- import { RouterTestingModule} from ‘@angular/router/testing’;

Karma: Test runner

TestBed.configureTestingModule: sets up the configuration and initializes the environment suitable for our test

It()- Test cases

describe() – Test Group

expect()

karma.conf.js

test.ts

use ‘x’ to exclude angular unit test case from execution

xdescribe

xit

Matchers:

Are functions to compare the expected output result and actual output result in the test spec (Boolean comparison)

There are two types of matches:

Inbuild matcher (used implicitly) and Custom Matcher (need to be defined explicitly)

ToBe: used for primitive types: numbers,boolean,stringa. For everything else use ToEqual eq: Array

ToBe(true), ToBeTrue(), ToBeTruthy()

ToBeTruthy/tobefalsy()==== Revisit

toBeGreaterThan(expectedValue), ToBeGreaterThanOrEqual(expectedValue)

toBeLessThan(expectedValue), toBeLessThanOrEqual(expectedValue)

toMatch(), toBeCloseTo()